

**VALUE ENGINEERING CHANGE PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION**

		Date <u>3-21-09</u>
Contract ID	<u>090123-X01</u>	Job No. <u>JOIO983 / 57-1(33)</u>
County	<u>Mississippi - 57</u>	Original Bid Cost <u>9,272,909.08</u>
Contractor	<u>Iron Mountain Construction</u>	By <u>Paul Corr and Nick Hilton</u>
Designed By	<u>MoDOT</u>	Phone <u>314 220 1167</u>
VECP#	<u>09-18</u> (to be completed by C.O.)	VECP <input checked="" type="checkbox"/> or VECPPDU <input type="checkbox"/>

- 1. Description of existing requirements and proposed change(s). Advantages/Disadvantages**
Original plans show from station 832+00 to 844+91.29 and 872+99.02 to 940+00 a complete shoulder rebuild using 18" rock base, pipe aggregate edgedrain with outlet pipes and daylighted aggregate base. IMCS propose to Install Rock Fill Base Material in lieu of the Daylight Aggregate Base which would allow for the elimination of the pipe aggregate edgedrain, outlet pipes and splash pads in this area. 7992.27 LF of pipe aggregate edge drain @ \$4.24 LF (\$33,887.22), 32 outlet pipes and splash pads @ \$320 EA(\$10,240).

- 2. Estimate of reduction in construction costs.** \$44,127.22

- 3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.**
No effect

- 4. Anticipated date for submittal of detailed change(s) of items required by Section 104.6 of the Specifications.**

4/1/2009
(date)

- 5. Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.**

5-1-09
(date)

The edge drain delivery time and lead time for procuring a portable crushed would be effected after this date.

(effect)

- 6. Dates of any previous or concurrent submission of the same proposal.**

N/A
(date and/or dates)

Additional Comments:

IMCS intends on crushing on site the pavement sections that require removal and replacement. The pavement can be crushed to meet the requirements of Rock Fill Base Material. Re-cycling the existing pavement in a beneficial manner for the project promotes sustainability.

**** Portion Below This Line To Be Filled Out by MoDOT ****

Comments: After discussions w/ Central Office, I recommend approval.
Should be VE (50/50)

Brian Holt

Submitted By Resident Engineer

4/7/09

Date

Comments: MoDOT Pavement Engineer concurs with proposal.
Maintenance of daylighted rock fill base should be less than maintenance of drains, yet provide drainage.

☒ **Approval
Recommended**

Mark Shelton by L. P. Shelton

4-10-09

☐ **Rejection
Recommended**

District Engineer

Date

Comments:

I recommended approval.

☒ **Approval
Recommended**

[Signature]

April 13, 2009

☐ **Rejection
Recommended**

Federal Highway Administration
Required for FHWA Full Oversight Projects

Date

Comments:

David D. Adams

☒ **Approval**

4-14-09

☐ **Rejection**

State Construction and Materials Engineer BHW

Date

Distribution: Resident Engineer, Project Manager, District Construction & Materials Engineer, State Construction & Materials Engineer,
Value Engineering Administrator - MoDOT, P. O. Box 270, Jefferson City, MO 65102

VALUE ENGINEERING CHECK SHEET

TYPE OF WORK

(Check one that applies)

- ☐ Bridge/Structure/Footings
- X Drainage Structures (RCP, RCB, CMP's, ect.)
- ☐ TCP/MOT
- ☐ Paving (PCCP, ect.)
- ☐ Grading/MSE Walls
- ☐ Signal/Lighting/ITS
- ☐ Misc. _____

SUMMARY OF PROPOSAL

(If needed, condense summary to a couple of lines)

Contractor will use rock fill base material to provide drainage in lieu of edge drains and outlet pipes.

SCANNING OF DOCUMENT

If the proposal is large, please mark or make note, which pages need to be scanned into the database. If there are special instructions, make note of them here.
